

## ABSTRACT

An interface for introducing a non-gaseous sample as a predetermined gaseous form into an accelerator mass spectrometer which comprises a nebulizer that receives the non-gaseous sample to provide a fine spray of the sample, a converter that receives at least a  
5 portion of said fine spray and converts the desired elements to the predetermined gaseous form and a flow line that transports the predetermined gaseous form to the accelerator mass spectrometer.